Shubh Kabra

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Education

University of Illinois At Urbana-Champaign   **Champaign, Illinois**
B.S. Computer Science and Statistics   *August 2018 – August 2022*
Coursework : Data Structures, Algorithms and Models of Computation, Applied Machine Learning, Systems Programming, Computer Architecture, Statistical Analysis, Statistics Programming Methods.

Work Experience

Meta (Facebook)   **Seattle, WA**
Software Engineer   *August 2022 – Present*
- Working on a multi-threaded, low-latency service that consumes and processes large volumes of logs to detect failures and compute metrics in real time on Messenger, Instagram, and Whatsapp audio, video calls using an event driven architecture in **C++** and **Python**.

BitGo   **Remote**
Software Engineer Intern   *May 2022 – August 2022*
- Integrated new crypto exchanges and added support for new crypto tokens within the trading platform using **Typescript**.
- Added functionality in the backend and implemented the UI for users to view all historical deposits for all respective deposit addresses using **React** and **Typescript**.

PreVeil   **Boston, MA**
Software Development Intern   *May 2021 – August 2021*
- Improved the user experience of the account recovery flow with QR codes in a zero-trust system using **Python, SQLite** on the Backend and **Angular, Redux, TypeScript** on the Frontend.
- Improved the user functionality of PreVeil Drive by implementing group sharing using **Golang, Python, Typescript** and **Angular**.

CME Group   **Champaign, IL**
Software Engineer Intern   *Jan 2020 – August 2020*
- Designed and developed a library to consume streaming data from **Google Cloud Platform** via **Java** through **Google PubSub API**.
- Worked with a team in implementing a fault tolerance library using **UDP networking**, and **JUnit** tests in **Java**.

Projects

- **Trading Backtester :** Designed, implemented event-driven backtester with support for tick level granularity.
- **Donero :** Designed, created, marketed and launched a map-based app with over 500 users on the Google Play Store to help homeless people in India get leftover food from households that would throw it out using **Google Maps API**, **Android**, and **Java**.
- **OmniCalc :** Developed an android calculator for blind people that can solve polynomial and differential problems with voice commands. Used mXparser library, **Google Voice API**, **Java**, **Android**, and **Android Studio**.

Skills

Languages: Python, Java, Typescript, C++, Javascript, C, SQL, SQLite, PostgreSQL, HTML, CSS, R
Software/Technologies: React.js, Node.js, Git, Flask, Redux, AngularJS, Java SpringBoot, JIRA, Android Studio, Linux, Unix, Selenium, Cucumber, AWS.

Interests

Trading: Avid student of financial markets. Was an active market maker on FTX-US, Binance-US, and Mango Markets. Trading equity and index options for 2+ years.
Badminton: Learning and playing badminton for over 8 years; competed in professional tournaments.